

Technical Attachment

**84<sup>th</sup> American Meteorological Society Annual Meeting**

January 11-15, 2004  
Seattle, Washington

Papers and Posters Authored or Co-authored by NWS Southern Region Participants

20th Conf. on Weather Analysis and Forecasting/16th Conf. on Numerical Weather Prediction.

*The Effect of Local Initialization on Workstation Eta.* Brian Etherton (Univ. of Miami) and Pablo Santos (WFO Miami).

*Applying the New Weather Research and Forecast (WRF) Model to National Weather Service Forecast Office Operations.* Brent L. Shaw (NOAA/FSL and CIRA), John Smart, John McGinley, Mike Kay and Jennifer Mahoney (FSL), Pat Welsh (WFO Jacksonville), P. Bogenschutz and P. Ruscher (Florida State Univ.), Jeff Savadel (NWSH/OS&T), and A. Wildman (WFO Jacksonville).

*Use of EOS Data in AWIPS for Weather Forecasting.* Gary J. Jedlovec (NASA/MSFC Huntsville), Stephanie L. Haines, Ronnie J. Suggs, Tom Bradshaw, Chris Darden and Jason E. Burks (WFO Huntsville).

*Assimilation of MODIS Temperature and Water Vapor Profiles into a Mesoscale Analysis System.* Brad Zavodsky and Steven M. Lazarus (Florida Inst. of Technology, Melbourne), and P. F. Blottman and Dave Sharp (WFO Melbourne).

*Investigation of a Pilot Marine Verification Program at WFO Key West.* Matt C. Parke and Andy Devanas (WFO Key West).

*Highlights from the Joint Polarization Experiment Operational Demonstration.* Kevin Scharfenberg (CIMMS/Univ. of Oklahoma), and D. J. Miller (WFO Norman), Pam L. Heinselman (NOAA/NSSL), and David L. Andra, Jr. and Michael Foster (WFO Norman).

*Implementing the Weather Research and Forecast (WRF) Model with Local Data Assimilation in a National Weather Service Weather Forecast Office (WFO).* Patrick T. Welsh and A. Wildman (WFO Jacksonville), B. Shaw and John Smart (NOAA/FSL), Paul Ruscher (Florida State Univ.), John McGinley (NOAA/FSL), Bernard N. Meisner (SRH/SSD), and P. Bogenschutz (Florida State Univ.).

*Transition from Research to Operations: Assessing Value of Experimental Forecast Products within the NWSFO Environment.* William M. Lapenta and Richard Wohlman (NASA/MSFC Huntsville), Tom Bradshaw (WFO Huntsville), Gary Jedlovec and Steve Goodman (NASA/MSFC Huntsville), Chris Darden and Jason Burks (WFO Huntsville), and Paul Meyer (NASA/MSFC Huntsville).

*Use of the Advanced Regional Prediction System (ARPS) for Space Shuttle Weather Forecasts at the NWS Spaceflight Meteorology Group.* Timothy D. Oram (WFO Houston), and Tim Garner and Brian Hoeth (SMG Houston).

*Wet Microburst - Bibliography, Annotation, Data.* Paul J. Croft (Univ. of Louisiana, Monroe), and Alan E. Gerard (WFO Jackson).

*Summer Season Verification of the First NWS Operational WRF Model Forecasts from the NOAA Coastal Storms Initiative Project in Northeast Florida.* P. Bogenschutz and P. Ruscher (Florida State Univ.), P. Welsh (WFO Jacksonville), J. Mahoney, J. A. McGinley, M. Kay, B. Shaw, J. Smart (NOAA/FSL), and J. Savadel and J. McQueen (NWSH/OS&T).

20th International Conference on Interactive Information and Processing Systems (IIPS) for Meteorology, Oceanography, and Hydrology.

*An AWIPS Local Application to Streamline Critical Weather Operations.* Matthew A. Sardi and Steven J. Fano (WFO Fort Worth).

*Prototype Internet Map Service Access to NWS Real-Time Meteorological Data - Part 1: Development and User Feedback.* John B. Settelmaier (SRH/SSD), Frank Richards (NWSH/OCWWS), Ira Graffman (NWSH/OS&T), Robert Bunge (NWSH/OCIO), Paul Kirkwood (SRH/CWWD/DET), and John P. Kozimor (QSS Group, Inc.).

*Prototype IMS Access to NWS Real-Time Meteorological Data - Part 2: User Interface and Site Content.* Ira Graffman (NWSH/OS&T), John B. Settelmaier (SRH/SSD), Frank Richards (NWSH/OCWWS), and John P. Kozimor (QSS Group, Inc.).

*Incorporating Mesoscale Lightning Climatologies into the NWS IFPS/GFE Forecast Routine Along the Gulf Coast.* Jessica R. Stroupe (Florida State Univ. and WFO Birmingham), Henry E. Fuelberg (Florida State Univ.), Andrew I. Watson (WFO Tallahassee), Kent G. Kuyper and Stephen K. Rinard (WFO Lake Charles), and Michael C. Koziara (WFO New Orleans).

*Wireless Data Networking for Environmental Sensor Networks (ESNS).* Julia Downes (Univ. of North Florida), Patrick Welsh (WFO Jacksonville), and J. David Lambert (Univ. of North Florida).

*GIS Data/Applications at the Lower Mississippi River Forecast Center.* Keith M. Stellman (RFC Fort Worth) and D.M. Welch (RFC Slidell).

14th Conference on Applied Climatology.

*Procedures Established by the National Weather Service Forecast Office New Orleans/Baton Rouge, Louisiana Regarding the Operational Heat Stress System.* Paul Trotter and Dana Griffin (WFO New Orleans Area), and Michelle Farver.

15th Symposium on Global Change and Climate Variations.

*Experiments in Downscaled Seasonal Forecasting from the ENSO Signal: Extreme Inter-seasonal and Intraseasonal Variability of Florida Dry Season Storminess and Rainfall and the Role of the MJO, PNA, and NAO.* Bartlett C. Hagemeyer and Rebecca J. Almeida (WFO Melbourne).

17th Conference on Probability and Statistics in the Atmospheric Sciences.

*The Evolution of Daily Forecast Verification for Shuttle Landing Sites.* Dan G. Bellue (SMG Houston).

13th Symposium on Education.

*JETSTREAM - the National Weather Service Southern Region Weather School.* Michael D. Vescio (WFO Pendleton), Steven Cooper (SRH/CWWD) and Dennis Cain (WFO Fort Worth).

*New Approaches to Training NWS Meteorologists in the Weather Forecast Offices of the 21<sup>st</sup> Century.* John T. Bradshaw (WFO Huntsville).